Cof C Azadet 10-2

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Patent Application

Applicant(s):

Azadet et al.

Docket No.:

10-2

Serial No.:

09/471,920 6,999,521

Patent No.: Issue Date:

February 14, 2006

Group:

2631

Examiner:

Phuong Phu

Title:

Method and Apparatus for Shortening the Critical Path of Reduced

VA 22313-1450

I hereby certify that this paper is being deposited on this date

with the U.S. Postal Service as first class mail addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria,

Complexity Sequence Estimation Techniques

TRANSMITTAL LETTER

Certificate

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

AUG 0 7 2006

of Correction

Sir:

Submitted herewith are the following documents relating to the above-identified patent:

- 1. Request for Certificate of Correction Under 37 C.F.R. §1.322(a); and
- 2. Certificate of Correction.

There is no additional fee due in conjunction with this Certificate of Correction. In the event of non-payment or improper payment of a required fee, the Commissioner is authorized to charge or to credit **Deposit Account No. 50-0762** as required to correct the error. A duplicate copy of this letter is enclosed.

Respectfully submitted,

Date: July 31, 2006

Kevin M. Mason

Attorney for Applicant(s)

Reg. No. 36, 597

Ryan, Mason & Lewis, LLP 1300 Post Road, Suite 205

Fairfield, CT 06824

(203) 255-6560

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REQUEST FOR CERTIFICATE OF CORRECTION OF PATENT FOR PTO MISTAKE(S) UNDER 37 C.F.R. 1.322(a)

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

In accordance with 37 C.F.R. §1.322, the patentee for the above-identified patent hereby requests the issuance of a Certificate of Correction with respect to errors in the above-identified patent.

The errors are set forth on the proposed Certificate of Correction (PTO-1050) submitted herewith, in duplicate.

There is no additional fee due in conjunction with this Certificate of Correction. In the event of non-payment or improper payment of a required fee, the Commissioner is authorized to charge or to credit **Deposit Account No. 50-0762** as required to correct the error. A duplicate copy of this letter is enclosed.

Respectfully submitted,

Date: July 31, 2006

Kevin M. Mason

Attorney for Applicant(s)

Reg. No. 36,597

Ryan, Mason & Lewis, LLP 1300 Post Road, Suite 205

Fairfield, CT 06824 (203) 255-6560



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s):

Azadet et al.

Docket No.:

10-2

Serial No.: Patent No.:

09/471,920 6,999,521

Issue Date:

February 14, 2006

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Examiner:

Phuong Phu

Title:

Method and Apparatus for Shortening the Critical Path of Reduced

VA 22313-1450

Complexity Sequence Estimation Techniques

REQUEST FOR CERTIFICATE OF CORRECTION OF PATENT FOR PTO MISTAKE(S) UNDER 37 C.F.R. 1.322(a)

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

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Respectfully submitted,

Date: July 31, 2006

Kevin M. Mason

Attorney for Applicant(s)

Reg. No. 36,597

Ryan, Mason & Lewis, LLP 1300 Post Road, Suite 205

Fairfield, CT 06824 (203) 255-6560

PATENT NO

6,999,521

DATED

February 14, 2006

INVENTOR(S):

Azadet et al.

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

In column 6, line 30, replace " $\alpha_n(\rho_n) = (a_{n-L}(\rho_n),...,a_{n-1}(\rho_n))$ " with -- $\hat{\alpha}_n(\rho_n) = (\hat{a}_{n-L}(\rho_n),...,\hat{a}_{n-1}(\rho_n))$ --.

In column 7, line 36, replace " $\alpha = (a_{n-L},...,a_{n-1})$ " with -- $\widetilde{\alpha} = (\widetilde{a}_{n-L},...,\widetilde{a}_{n-1})$ ---

In column 7, line 50, replace " $\lambda_n(z_n, a_n, \alpha) = (z_n - a_n + \widetilde{u}(\alpha))^2$ " with $\widetilde{\lambda}_n(z_n, a_n, \widetilde{\alpha}) = (z_n - a_n + \widetilde{u}(\widetilde{\alpha}))^2$ —.

In column 7, line 55, replace " $\lambda_n(z_n, a_n, \alpha)$ " with -- $\tilde{\lambda}_n(z_n, a_n, \tilde{\alpha})$ ---

In column 7, line 64, replace " $\lambda_n(z_n, a_n, \alpha)$ " with -- $\tilde{\lambda}_n(z_n, a_n, \tilde{\alpha})$ --.

In column 7, line 65, replace " $\alpha_n(\rho_n)$ " with -- $\hat{\alpha}_n(\rho_n)$ --.

In column 7, line 67, replace " $\lambda_n(z_n, a_n, \rho_n) = sel\{\Lambda_n(z_n, a_n, \rho_n), \alpha_n(\rho_n)\}$ " with -- $\lambda_n(z_n, a_n, \rho_n) = sel\{\Lambda_n(z_n, a_n, \rho_n), \hat{\alpha}_n(\rho_n)\}$ --.

In column 8, line 2, replace " $\lambda_n(z_n, a_n, \alpha)$ " with -- $\tilde{\lambda}_n(z_n, a_n, \tilde{\alpha})$ ---

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Ryan, Mason & Lewis, LLP 1300 Post Road, Suite 205 Fairfield, CT 06824 PATENT NO. 6,999,521

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PATENT NO

6,999,521

DATED

February 14, 2006

INVENTOR(S):

Azadet et al.

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

In column 8, line 17, replace " $\widetilde{u}(\alpha)$ " with -- $\widetilde{u}(\widetilde{\alpha})$ --.

In column 8, line 20, replace " $\lambda_n(z_n, a_n, \alpha)$ " with $-\tilde{\lambda}_n(z_n, a_n, \tilde{\alpha})$ ---

In column 9, line 19, replace " $\lambda_{n,j}(z_{n,j},a_{n,j},\alpha_j) = (z_{n,j} - a_{n,j} + \widetilde{u}_j(\alpha_j))^2$ " with $\widetilde{\lambda}_{n,j}(z_{n,j},a_{n,j},\widetilde{\alpha}_j) = (z_{n,j} - a_{n,j} + \widetilde{u}_j(\widetilde{\alpha}_j))^2$...

In column 9, line 28, replace " $\alpha_j = (a_{n-L,j},...,a_{n-1,j})$ " with $--\widetilde{\alpha}_j = (\widetilde{a}_{n-L,j},...,\widetilde{a}_{n-1,j})$ --.

In column 9, line 31, replace " α_j " with -- $\tilde{\alpha}_j$ ---

In column 9, line 33, replace " $\lambda_{n,j}(z_{n,j},a_{n,j},\alpha_j)$ " with -- $\widetilde{\lambda}_{n,j}(z_{n,j},a_{n,j},\widetilde{\alpha}_j)$ --.

In column 9, line 54, replace " $\lambda_{n,j}(z_{n,j},a_{n,j},\rho_n) = sel\{\Lambda_{n,j}(z_{n,j},a_{n,j}),\alpha_{n,j}(\rho_n)\}$ " with -- $\lambda_{n,j}(z_{n,j},a_{n,j},\rho_n) = sel\{\Lambda_{n,j}(z_{n,j},a_{n,j}),\alpha_{n,j}(\rho_n)\}$ --.

In column 9, line 57, replace " $\lambda_{n,j}(z_{n,j},a_{n,j},\alpha_j)$ " with -- $\tilde{\lambda}_{n,j}(z_{n,j},a_{n,j},\tilde{\alpha}_j)$ ---

In column 9, line 58, replace " α_i " with -- $\tilde{\alpha}_i$ --.

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PATENT NO

6,999,521

DATED

February 14, 2006

INVENTOR(S):

Azadet et al.

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

In column 9, line 59, replace " $\alpha_{n,j}(\rho_n)$ " with $-\hat{\alpha}_{n,j}(\rho_n)$ --

In column 11, line 25, replace " $a_{n-1,j}$ " with -- $\tilde{a}_{n-1,j}$ --.

In column 11, line 27, replace " $\lambda_{n,j}(y_{n,j},a_{n,j},a_{n-1,j}) = (y_{n,j} - a_{n,j} - f_{1,j}a_{n-1,j})^2$ " with $\widetilde{\lambda}_{n,j}(y_{n,j},a_{n,j},\widetilde{a}_{n-1,j}) = (y_{n,j} - a_{n,j} - f_{1,j}\widetilde{a}_{n-1,j})^2$...

In column 11, line 46, replace " $a_{n-i,j}(\rho_n)$ " with -- $\hat{a}_{n-i,j}(\rho_n)$ --.

In column 13, line 4, replace " $\lambda_n(z_n, a_n, \alpha) = (z_n - a_n + \widetilde{u}(\alpha))^2$ " with $\widetilde{\lambda}_n(z_n, a_n, \widetilde{\alpha}) = (z_n - a_n + \widetilde{u}(\widetilde{\alpha}))^2$ -.

In column 13, line 16, replace " $\alpha = (a_{n-L},...,a_{n-1})$ " with $\widetilde{\alpha} = (\widetilde{a}_{n-L},...,\widetilde{a}_{n-1})$ --.

In column 13, line 25, replace " $\lambda_n(z_n, a_n, \alpha)$ using the survivor path $\alpha_n(\rho_n)$ " with -- $\tilde{\lambda}_n(z_n, a_n, \tilde{\alpha})$ using the survivor path $\hat{\alpha}_n(\rho_n)$ --.

In column 13, line 27, replace " $\lambda_n(z_n, a_n, \rho_n) = sel\{\Lambda_n(z_n, a_n, \rho_n), \alpha_n(\rho_n)\}$ " with -- $\lambda_n(z_n, a_n, \rho_n) = sel\{\Lambda_n(z_n, a_n, \rho_n), \hat{\alpha}_n(\rho_n)\}$ --

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INVENTOR(S):

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It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

In column 13, line 30, replace " $\lambda_n(z_n, a_n, \alpha)$ " with -- $\tilde{\lambda}_n(z_n, a_n, \tilde{\alpha})$ ---

In column 13, line 32, replace " α and wherein $\alpha_n(\rho_n)$ " with -- $\tilde{\alpha}$ and wherein $\hat{\alpha}_n(\rho_n)$ --

In column 13, line 60, before "from one" and after "branch" replace "metric" with -- metrics --.

In column 14, line 1, replace " $\lambda_{n,j}(z_{n,j},a_{n,j},\alpha_j) = (z_{n,j} - a_{n,j} + \widetilde{u}_j(\alpha_j))^2$ " with $\widetilde{\lambda}_{n,j}(z_{n,j},a_{n,j},\widetilde{\alpha}_j) = (z_{n,j} - a_{n,j} + \widetilde{u}_j(\widetilde{\alpha}_j))^2$ --.

In column 14, line 10, replace " $\alpha_j = (a_{n-L,j},...,a_{n-1,j})$ " with $-\widetilde{\alpha}_j = (\widetilde{a}_{n-L,j},...,\widetilde{a}_{n-1,j})$ --.

In column 14, line 18, replace " $\lambda_{n,j}(z_{n,j},a_{n,j},\rho_n) = sel\{\Lambda_{n,j}(z_{n,j},a_{n,j}),\alpha_{n,j}(\rho_n)\}$ " with -- $\lambda_{n,j}(z_{n,j},a_{n,j},\rho_n) = sel\{\Lambda_{n,j}(z_{n,j},a_{n,j}),\alpha_{n,j}(\rho_n)\}$ --.

In column 14, line 20, replace " $\lambda_{n,j}(z_{n,j},a_{n,j},\alpha_j)$ " with $-\widetilde{\lambda}_{n,j}(z_{n,j},a_{n,j},\widetilde{\alpha}_j)$ --.

In column 14, line 22, replace " α_i and $\alpha_{n,i}(\rho_n)$ " with $-\widetilde{\alpha}_i$ and $\widehat{\alpha}_{n,i}(\rho_n)$ --.

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It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

In column 14, line 42, replace "
$$\lambda_{n,j}(z_{n,j},a_{n,j},\alpha_j) = (z_{n,j}-a_{n,j}+\widetilde{u}_j(\alpha_j))^2$$
" with $\widetilde{\lambda}_{n,j}(z_{n,j},a_{n,j},\widetilde{\alpha}_j) = (z_{n,j}-a_{n,j}+\widetilde{u}_j(\widetilde{\alpha}_j))^2$...

In column 14, line 50, replace "
$$\alpha_j = (a_{n-L,j},...,a_{n-1,j})$$
" with $-\widetilde{\alpha}_j = (\widetilde{a}_{n-L,j},...,\widetilde{a}_{n-1,j})$ —7.

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